

Title (en)

FREE SPACE POINTING DEVICES AND METHOD

Title (de)

FREIRAUM-ZEIGEEINRICHTUNGEN UND VERFAHREN

Title (fr)

DISPOSITIF DE POINTAGE EN ESPACE LIBRE ET PROCEDES ASSOCIES

Publication

EP 1759529 A2 20070307 (EN)

Application

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- US 2005015051 W 20050502
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- US 64141005 P 20050105

Abstract (en)

[origin: US2005253806A1] Systems and methods according to the present invention address these needs and others by providing a handheld device, e.g., a free space pointing device, which uses at least one sensor to detect motion of the handheld device. The detected motion can then be mapped into a desired output, e.g., cursor movement.

IPC 8 full level

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CPC (source: EP KR US)

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G06F 2203/0383 (2013.01 - US); **G06F 2203/0384** (2013.01 - US); **Y02D 10/00** (2017.12 - EP KR US)

Cited by

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KR 100937572 B1 20100119; KR 100985364 B1 20101004; KR 20070007951 A 20070116; KR 20100016444 A 20100212;
TW 200538751 A 20051201; TW I376520 B 20121111; US 10514776 B2 20191224; US 11157091 B2 20211026; US 2007252813 A1 20071101;
US 2008158154 A1 20080703; US 2013093676 A1 20130418; US 2016162042 A1 20160609; US 2017108943 A1 20170420;
US 2020110474 A1 20200409; US 7489298 B2 20090210; US 8766917 B2 20140701; US 9261978 B2 20160216; US 9575570 B2 20170221;
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US 11966305 A 20050502; CN 201110369736 A 20050502; EP 05760711 A 20050502; JP 2007511062 A 20050502;
JP 2011133123 A 20110615; KR 20067025226 A 20050502; KR 20097023531 A 20050502; TW 94114102 A 20050502;
US 2005015051 W 20050502; US 201213709600 A 20121210; US 201615041348 A 20160211; US 201715398873 A 20170105;
US 201916688448 A 20191119; US 82051007 A 20070620; US 82052507 A 20070620